

#3

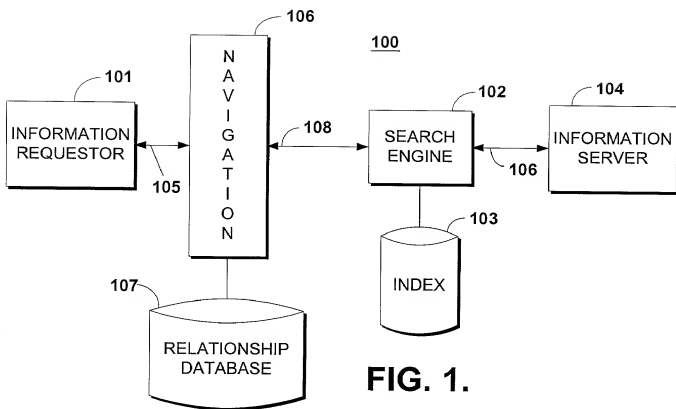


FIG. 1.

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<u>Informational Item</u>	<u>Related Informational Item</u>	<u>Relationship Type</u>	<u>Relationship Strength</u>
Info. Item 1	Info. Item A	General	STR 1
	Info. Item B	CHAR 1	STR 3
	Info. Item C	CHAR 2	STR 9
Info. Item 2	Info. Item D	General	STR 4
	Info. Item X	CHAR 1	STR 15
	Info. Item C	CHAR 2	STR 3
	Info. Item D	CHAR 3	STR 7
	Info. Item A	CHAR 3	STR 2
Info. Item N	Info. Item X	General	STR l
	Info. Item Y	CHAR 1	STR m
	Info. Item Z	CHAR 2	STR n

FIG. 2.

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<u>Informational Item</u>	<u>Related Informational Item</u>	<u>Relationship Type</u>	<u>Relationship Strength</u>
Rose	Fire truck	Red	4
	Fire truck	General	4
	Daisy	Flower	10
	Daisy	Scent	5
	Daisy	General	18
	Shakespeare	Name	2
	Shakespeare	General	3
Info. Item N	Info. Item X	General	STR l
	Info. Item Y	CHAR 1	STR m
	Info. Item Z	CHAR 2	STR n

FIG. 2A.

201 <u>Informational Item</u>	202 <u>Related Informational Item</u>	203 <u>Relationship Type</u>	204 <u>Relationship Strength</u>
Rose	Fire truck	Red	4
	Fire truck	General	4
	Daisy	Flower	11
	Daisy	Scent	6
	Daisy	General	19
	Shakespeare	Name	2
	Shakespeare	General	3
Info. Item N	Info. Item X	General	STR l
	Info. Item Y	CHAR 1	STR m
	Info. Item Z	CHAR 2	STR n

FIG. 2B.

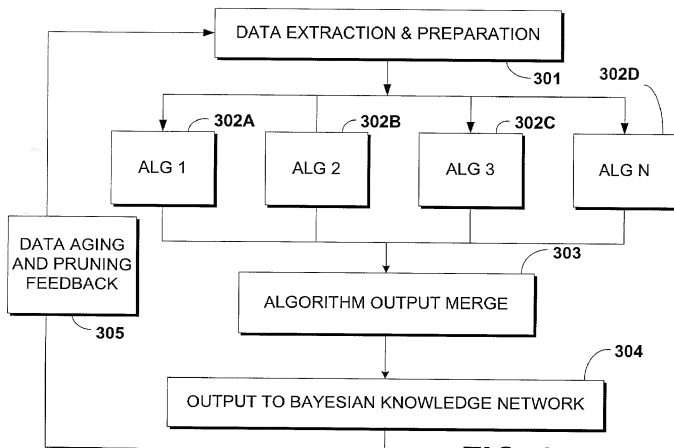


FIG. 3.

SELECTION OF TWO OR MORE
INFORMATIONAL ITEMS

401

APPLY CLUSTERING
ALGORITHMS 1-N

402

RELATIONSHIP
FOUND BY ANY
NUMBER OF
ALGORITHMS

403

N

Y

404

ASSIGN STRENGTH TO LINK

405

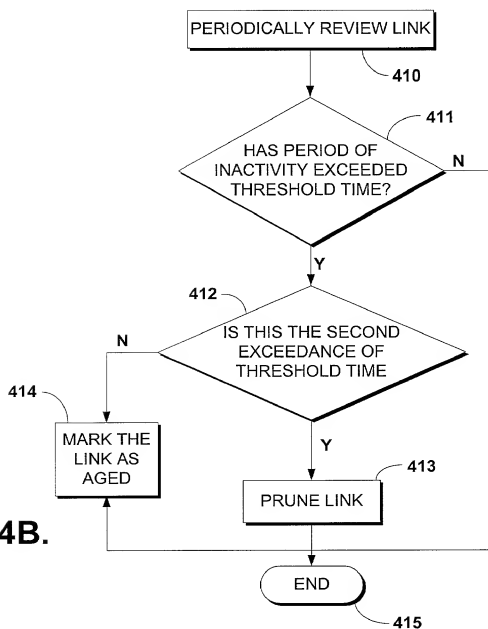
UPDATE/ADD BAYESIAN
BELIEF LINK

END

406

FIG. 4A.

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501 <u>Informational Item</u>	502 <u>Related Informational Item</u>	503 <u>Relationship Type</u>	504 <u>Relationship Strength</u>
Info. Item 1	Info. Item A	General	STR 1
	Info. Item B	CHAR 1	STR 3
	Info. Item C	CHAR 2	STR 9
.	.	.	.
Info. Item N	Info. Item X	General	STR 1
	Info. Item Y	CHAR 1	STR m
	Info. Item Z	CHAR 2	STR n
Item LOC 1	Info. Item D	HELP	STR 4
	Info. Item E	HELP	STR 6
	Info. Item F	HELP	STR 9
..	.	.	.
Item LOC N	Info. Item Q	HELP	STR l
	Info. Item R	HELP	STR m
	Info. Item S	HELP	STR n

505

FIG. 5.

DETECT SELECTION & A
HELP ITEM FROM A
LOCATION

RELATIONSHIP
RECORD EXISTS IN
THE DATABASE ?

ADJUST
RELATIONSHIP
STRENGTH

CREATE A RELATIONSHIP
RECORD & ASSIGN
RELATIONSHIP STRENGTH

UPDATE
DATABASE

END

FIG. 6.

Y

N

601

602

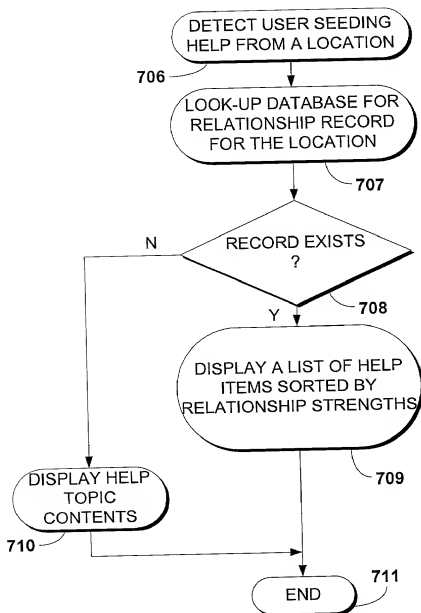
604

603

605

612

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**FIG. 7.**